Title (en)

METHOD FOR CONTROLLING PWM PULSE

Title (de)

VERFAHREN ZUR KONTROLLE DES PWM PULS

Title (fr)

PROCEDE DE COMMANDE D'IMPULSION DE MODULATION DE LARGEUR D'IMPULSION (PWM)

Publication

EP 1261123 A4 20041222 (EN)

Application

EP 01904561 A 20010220

Priority

- JP 0101192 W 20010220
- JP 2000051506 A 20000228

Abstract (en)

[origin: EP1261123A1] For an interval in which an Op-vector and a b-vector are successively output among intervals of output voltage vectors of each phase within a PWM cycle, the output times of each vector are divided by a positive integer m to find divided times of each vector, and the Op-vector and the b-vector are each alternately output for the divided time, each vector being output m times. For an interval in which an On-vector and an a-vector are successively output, the output times of each vector are divided by a positive integer n to find divided times of each vector, and the On-vector and a-vector are each alternately output for the divided time, each vector being output n times. The adoption of this method enables dispersion of the frequency component of current ripple that arises from PWM pulses (1)-(3). <IMAGE>

IPC 1-7

H02M 7/48; H02M 7/5387

IPC 8 full level

H02M 7/48 (2007.01); **H02M 7/483** (2007.01); **H02M 7/5387** (2007.01)

CPC (source: EP KR US)

H02M 7/48 (2013.01 - KR); **H02M 7/5387** (2013.01 - KR); **H02M 7/53873** (2013.01 - EP US); **H02M 7/53876** (2021.05 - EP); H02M 7/53876 (2021.05 - US)

Citation (search report)

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